

Amendments to the Specification:

Please replace the paragraph beginning on page 15, line 23, with the following rewritten paragraph:

The electromagnetic induction heater 3 includes a support 6 extending like a tube along the outer periphery of the heating roller 2 containing both ends 7 in an axial direction X orthogonal to a rotation direction Q of the heating roller 2 and both sides 8 parallel with the axial direction, a coil 9 wound around a winding axis 9A (shown in Fig. 3) and an outer face of the support 6 so as to contain a center axis 10 of the heating roller 2 inside a tubular part thereof, and an exciting circuit section 18 for applying an AC current to the coil 9. The winding axis is substantially perpendicular to the center axis 10 of the heating roller 2.